PAT simulation

Helen Pang   to: Antony Tseng   02/15/2012 10:47 AM
Cc: "Barbara Hirst", Felix Locicero, Rosella OConnor

History: This message has been replied to.

Hi Antony,

I summarized the results of simulations I did here in
the attached table for you to make a comparison. As I
said, I found some new boundary files on our shared
drive, which I assumed were the latest files we
received from HydroQual to replace the files on the
CD loaded with PAT tool. So "Newer files" means the
corrected version of PAT and "Older Files" means the
version with known errors.

As you noticed, the newer files did generate the
lower concentrations. But I don't know if they match
the result you got.

Also notice that when assuming 100% reduction on CSO
load as Barb suggested to do, 35 still can not be met
and the simulated value for quite amount of cells are
still significantly higher than 35. Remember that
HydroQual interpolated 2000 and 2003 results to come
up the result for 3-years recurrence interval. For
Cell 6_63, a 0 value of year 2000 would still not
make the interpolated value to be under 35, unless
they applied to some weighting factors. Remember that
until recently, HydroQual found some errors (by
double counting the saddle river boundary input?) in
Passaic simulation and they corrected it in the last
run. I am wondering if this same error existed in the
newer version of PAT. If so, PAT tool will not
generate the correct simulation as we want. We
probably need to ask HydroQual on this before we
spend too much time on this tool.

If you have any question, please feel free to give me
a call.

Thanks a lot!!

Helen

PAT_simulations_Entero_Summer GM.xls